

REMARKS

Claims 6-10 are pending in this application. By this Amendment, claims 6 and 9 are amended. No new matter is added. Reconsideration and allowance of this application are respectfully requested.

EXAMINER'S INTERVIEW

Applicants appreciate the courtesies extended to Applicants' representative during the telephonic interviews with Examiner Aghdam on March 26, 2006 and April 6, 2006.

During the interviews, the Examiner indicated that the present Amendment will be entered and considered by the Examiner since a First Action Final was issued in the last Office Action. Allowance of this application is respectfully requested.

Entry of Amendment After Final Rejection

Entry of the amendment is requested under 37 CFR § 1.116 because the amendment: a) place the application in condition for allowance for the reasons discussed herein; b) do not present any additional claims without canceling the corresponding number of final rejected claims; and c) place the application in better form for appeal, so the appeal be necessary. Entry of the amendment is thus respectfully requested.

OBJECTION TO THE DRAWINGS

The Examiner objected to Fig. 1 for failing to contain descriptive text in the figure. Applicants respectfully traverse this objection. Specifically, it is submitted that the drawings do not necessary require descriptive text in the figures for a proper

understanding of the invention. As set forth in 37 CFR 1.83(a), it may be proper for the drawings in a non-provisional application in form of graphical drawing symbols (e.g., rectangular box) or a labeled representation.

Accordingly, withdrawal of the objection is respectfully requested.

CLAIM REJECTIONS - 35 U.S.C. § 103

Claims 6-10 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Andersson et al. (hereinafter "Andersson"), U.S. Pat. No. 5,937,002. The rejection is respectfully traversed.

Applicants submit that Andersson fails to disclose or suggest, a method of generating frequency sequences, comprising, *at least*:

obtaining a sequence with a given repetition distance using all frequencies, the repetition distance being greater than zero and less than a given number of frequencies, and being a minimum number of hops between two occurrences of the same frequency in a frequency sequence (*emphasis added*)

as recited in claim 6.

By contrast, Andersson attempts to achieve a different solution than the processes found in claim 1. That is, Andersson attempts to generate the frequency sequences by: 1) arranging a used channel (i.e., a frequency) through connections (i.e., time slot); and 2) matching the channels with the connections (e.g., the better a connection with respect to attenuation, the poorer the channels with respect to interference that are allocated to the connection) (Abstract). This is antithetical to Applicants' solution.

To achieve the above, Andersson requires that the hopping sequence length be shorter than the number of channels (as illustrated in the hop sequence matrix on

col. 9 and col. 10 in Andersson). Otherwise, it would be impossible for any one channel to avoid another channel.

In other words, Applicants' invention teaches that every user (connection) uses all the frequencies (channels), rather than employing the more complete method described in Andersson (e.g., determining the attenuation of each connection, and measuring the interference of each channel). Thus, Andersson is constrained by the fact that the hopping sequence should have a length that is as short as possible. As such, it is well known in the art that it is difficult to achieve randomness with a short sequence (e.g., with three channels there are only three possible sequences).

For at least these reasons, Applicants submit that claim 6 is allowable. Claims 7 and 8 which depend on claim 6 are also allowable by virtue of their dependency thereon. Withdrawal of the rejection is respectfully requested.

Independent claim 9, which recites similar features as claim 6, is allowable for at least the reasons discussed above. Specifically, Andersson fails to teach or suggest "obtaining a repetition distance value using all frequencies, the repetition distance being greater than zero and less than a given number of frequencies, and being a minimum number of hops between two occurrences of the same frequency in a frequency sequence".

Reconsideration and allowance of this application are respectfully requested.

CONCLUSION

In view of the above amendments and remarks, reconsideration of the rejections and allowance of claims 6-10 is respectfully requested.

Should there be any outstanding matters that need to be resolved in the

present application, the Examiner is respectfully requested to contact the undersigned at the telephone number listed below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

By: 

Gary D. Yacura, Reg. No. 35,416

P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

GDY/MJL/DJC/